# NHSN: Long Term Care Component

# Overview

The Long-term Care Facility (LTCF) Component provides long-term care facilities with a customized system to track infections and prevention process measures.

Tracking this information allows facilities to identify problems, improve care, and determine progress toward national healthcare-associated infection goals.

Facilities eligible to report into all modules of this component include:
◦ Nursing homes
◦ Skilled nursing facilities
◦ Chronic care facilities
◦ Developmental disability facilities


https://www.cdc.gov/nhsn/ltc/

# Available Modules in the LTCF Component

- C. *difficile* Infection (CDI) and Multidrug-resistant Organisms (MDRO)

- Urinary Tract Infections (UTIs)

- Prevention Process Measures
  - Hand Hygiene
  - Gloves
  - Gown Use and Adherence
- Healthcare Personnel Vaccination Component

# Why Use NHSN?

Real-time Data and Analysis
◦ NHSN gives healthcare facilities the ability to see their data in real-time, use pre-built analysis tools, and share that information with clinicians and facility leadership

Surveillance and Prevention
◦ Tracking infections can assist facilities in identifying problem areas and track progress with implemented prevention strategies

Meet CMS Requirements
◦ No current CMS reporting requirements for Long-term care facilities
◦ However, provides a channel for facilities to comply with Centers for Medicare and Medicaid Services (CMS) infection reporting requirements

# How Do I Enroll?

Enroll in NHSN

- ◦ Facility must complete the Agreement to Participate and Consent enroll in the Long-Term Care Component of NHSN
- ◦ Once processed by NHSN, the facility is active
- ◦ After processing all users must acquire SAMS credentials and SAMS grid card to access NHSN
  - ◦ Instructions are provided by NHSN post-activation
  - ◦ Complete form and send identity verification materials to CDC

# NHSN Set-up

1. Mapping Locations
   ◦ Each resident care location in your facility should be mapped to a CDC location code/description
   ◦ Provides information about the type of residents or care service of that location
      ◦ NHSN 80% Rule – Location code best reflects the majority, or 80%, of the residents of that unit

2. Monthly Reporting Plans
   ◦ Tells NHSN which modules and events your facility will be tracking for the month
   ◦ Must be submitted for every month that your facility plans to perform surveillance
      ◦ Can be up to one year in advance

3. Add Users and Assign Rights
   ◦ Facility Administrator (FacAdmin) can add additional users to access NHSN and assigns rights to each user
   ◦ Best practice to have at least two users to limit gaps in reporting

4. Report your data!

5. Share your Data with MDHHS!
   ◦ Join MDHHS SHARP Group with Group ID and Password
   ◦ After joining, facility will "Confirm Rights" and "Accept"
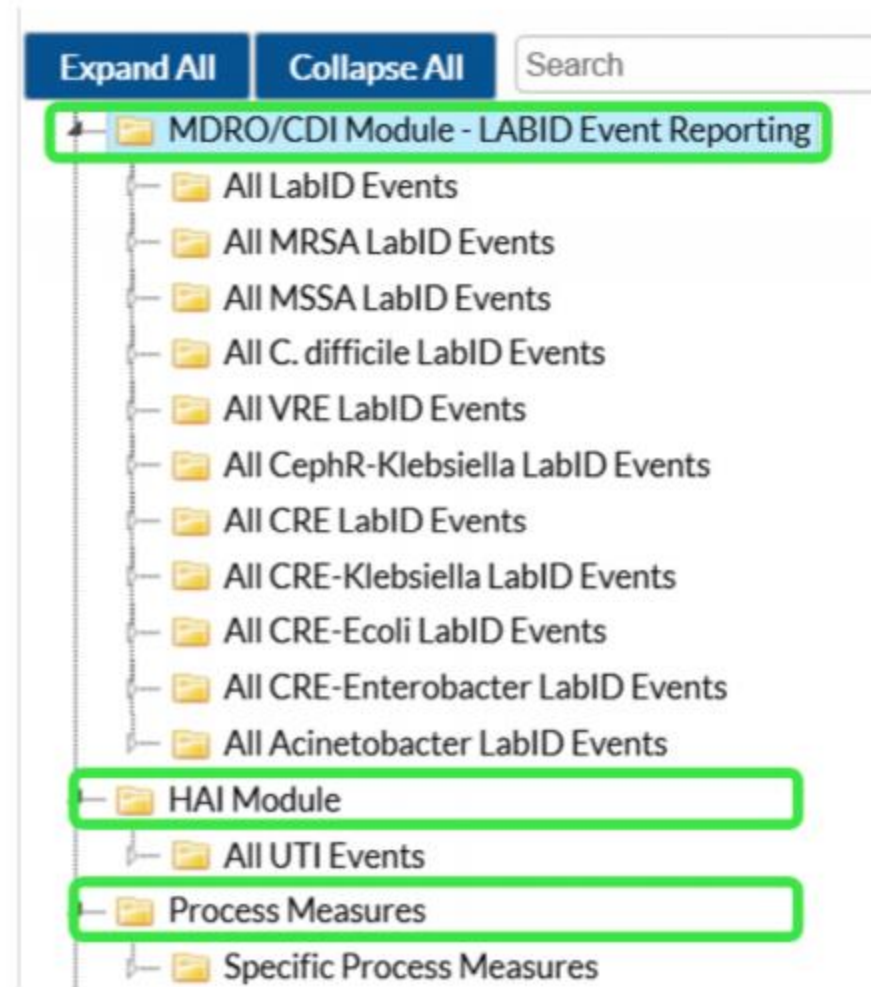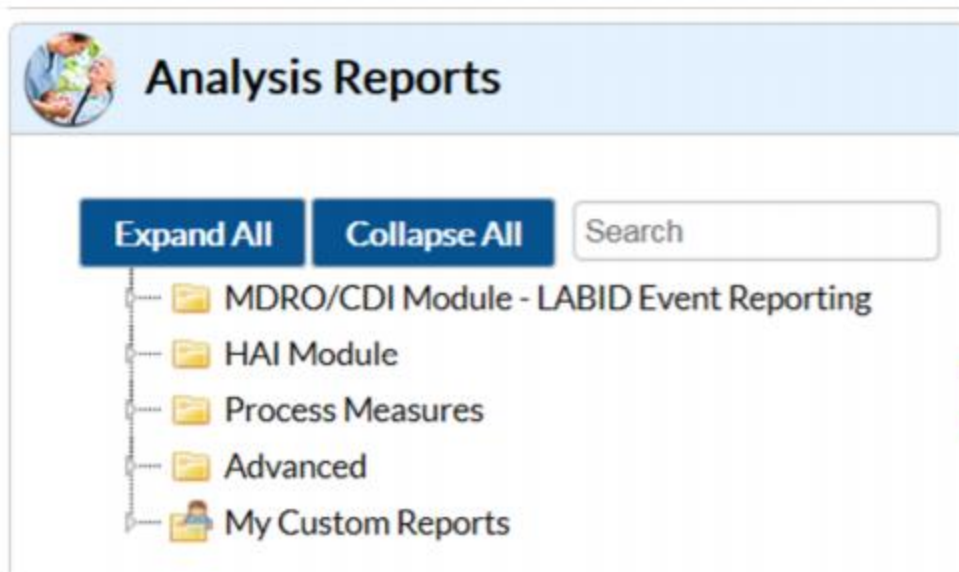
# NHSN Analysis

Entering Event Data
- Once it is determined that an event or infection has met <u>NHSN surveillance definition</u>, it is reported into NHSN
- Report Total Resident Days

Generating datasets
- Datasets must be generated following any changes so that it can be reflected in the analysis reports
  - Including the addition of new events

Start analyzing!

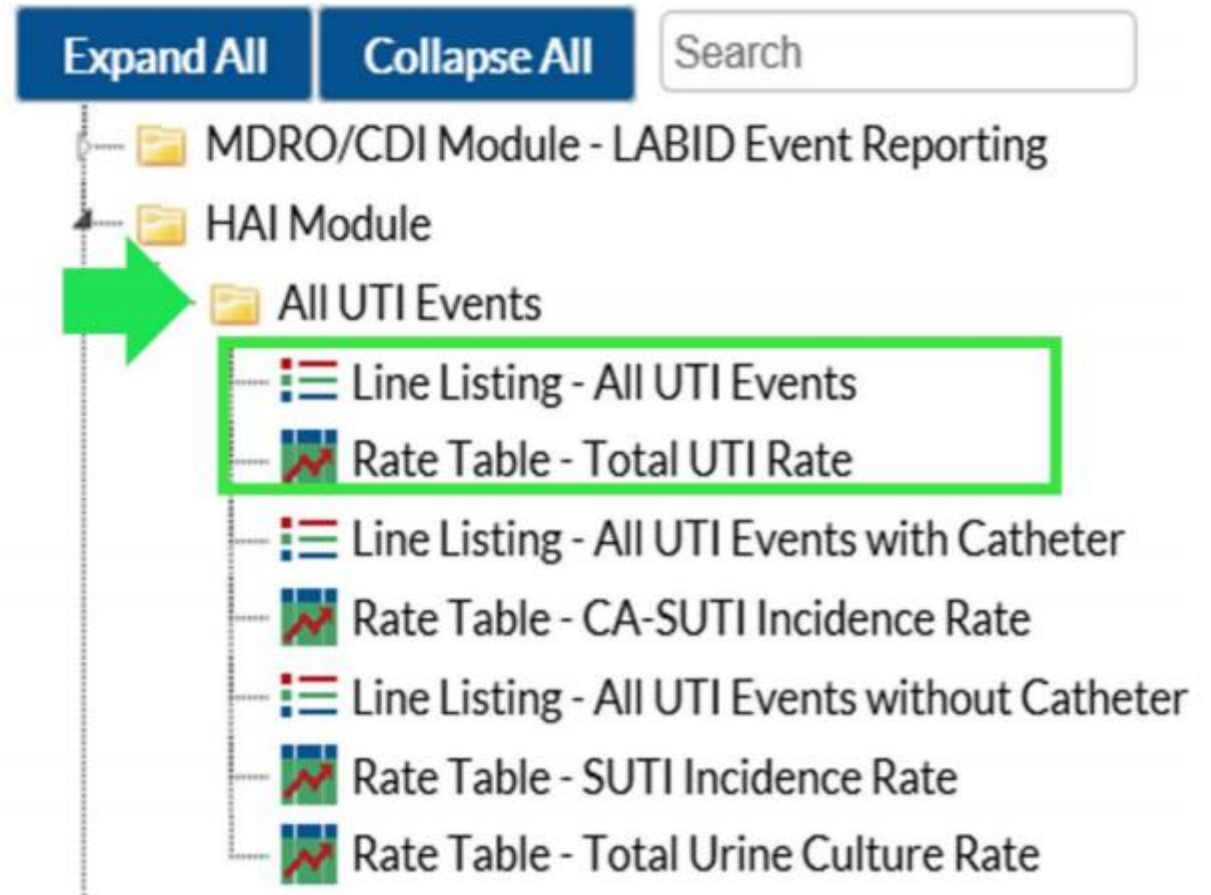# Analysis Reports: Organized by module, then into folder by event type

# What Reports are available for my event data?

**Line list** allow resident-level review of data

**Rate tables** display an overall facility calculated rates

**Available reports may be modified and saved to Custom Reports folder!!**

| Expand All | Collapse All | Search |

- 📁 MDRO/CDI Module - LABID Event Reporting
- 📁 HAI Module
  - 📁 All UTI Events
    - ≣ Line Listing - All UTI Events
    - 📊 Rate Table - Total UTI Rate
    - ≣ Line Listing - All UTI Events with Catheter
    - 📊 Rate Table - CA-SUTI Incidence Rate
    - ≣ Line Listing - All UTI Events without Catheter
    - 📊 Rate Table - SUTI Incidence Rate
    - 📊 Rate Table - Total Urine Culture Rate

# Line Lists and Rate Tables Examples

**National Healthcare Safety Network**
**Line Listing - All UTI Events**
As of: July 9, 2018 at 12:20 PM
Date Range: LTCUTI_EVENTS eventDateYM 2018M01 to 2018M06

| orgID | resID | curAdmDate | eventID | eventDate | ltcSpcEvent | cathStatus | location |
|-------|--------|------------|---------|-----------|-------------|------------|-----------|
| 11106 | CDC-058 | 12/26/2014 | 1833 | 06/05/2018 | | NEITHER | GEN |
| 11106 | CDC-050 | 02/08/2018 | 1834 | 06/13/2018 | | INPLACE | GEN |
| 11106 | CDC-007 | 06/11/2011 | 1753 | 01/12/2018 | CA-SUTI | INPLACE | DEMENTIA |
| 11106 | CDC-017 | 06/13/2013 | 1792 | 01/22/2018 | CA-SUTI | INPLACE | DEMENTIA |
| 11106 | CDC-016 | 09/12/2014 | 1793 | 03/12/2018 | CA-SUTI | INPLACE | DEMENTIA |
| 11106 | CDC-009 | 03/30/2018 | 1761 | 04/12/2018 | CA-SUTI | INPLACE | GEN |
| 11106 | CDC-024 | 04/01/2018 | 1771 | 04/23/2018 | CA-SUTI | NEITHER | GEN |
| 11106 | CDC-020 | 03/05/2018 | 1798 | 05/01/2018 | CA-SUTI | INPLACE | DEMENTIA |
| 11106 | CDC-012 | 05/22/2012 | 1765 | 02/16/2018 | SUTI | NEITHER | GEN |
| 11106 | CDC-003 | 01/25/2018 | 1745 | 03/14/2018 | SUTI | NEITHER | GEN |
| 11106 | CDC-022 | 02/26/2018 | 1777 | 03/24/2018 | SUTI | NEITHER | DEMENTIA |
| 11106 | CDC-025 | 12/01/2015 | 1796 | 05/01/2018 | SUTI | NEITHER | GEN |
| 11106 | CDC-010 | 04/01/2018 | 1849 | 06/20/2018 | SUTI | NEITHER | GEN |

Sorted by ltcSpcEvent eventDate cathStatus
Data contained in this report were last generated on July 9, 2018 at 10:37 AM.

Total CDI Rate = CDI count / Total Resident Days x 10,000

Options available to review different rate metrics

**National Healthcare Safety Network**
**Rate Tables for CDI LabID Event Data**
**Total CDI Rate**
As of: April 11, 2017 at 1:31 PM
Date Range: LTCLABID_RATESCDIF summaryYM 2017M01 to 2017M04

orgID=39455

| summaryYM | location | ltcCDICount | numResDays | ltcCDIRate |
|-----------|----------|-------------|------------|------------|
| 2017M01 | FACWIDEIN | 2 | 2444 | 8.183 |
| 2017M02 | FACWIDEIN | 3 | 2490 | 12.048 |
| 2017M03 | FACWIDEIN | 3 | 2590 | 11.583 |

# Conclusion

Benefits of using NHSN:
- HAI Surveillance allows facilities to identify problem areas, improve patient care, and track progress towards infection prevention
- See data in real-time using pre-built analysis tools
- Leverage resources by sharing data with clinicians and facility leadership
  - Ability to provide quick response time to administrator requests
- Get familiar with the system before CMS required enrollment

Already using NHSN?
- Share your data with the MI NHSN Group!
- Additional resource to help you understand your data
- SHARP Unit support with enrollment, reporting and analyzing data
  - Local, prompt response to questions

# Thank you!

Elisia "Elli" Ray, MPH

NHSN Epidemiologist

Michigan Department of Health and Human Services
Division of Communicable Disease
SHARP Unit

RayE7@michigan.gov

www.michigan.gov/hai